

Regional HIV/AIDS Epidemiologic Profile of Metrowest Health Service Region, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Metrowest Health Service Region, Massachusetts

| | N | % |
|--|--------------|-------------|
| People Living with HIV/AIDS | 2,183 | 58% |
| People Reported with HIV or AIDS who are Deceased | 1,600 | 42% |
| Total Number of People Reported with HIV Infection or AIDS | 3,783 | 100% |

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Metrowest Health Service Region, Massachusetts

| Average annual HIV diagnosis rate from 2004–2006 | Average Rate per 100,000 | Average Number of HIV Diagnoses |
|---|---------------------------------|--|
| Metrowest Health Service Region, MA | 8 per 100,000 | 116 |
| Massachusetts Total | 13 per 100,000 | 857 |
| Rate of people living with HIV/AIDS on 12/31/07 | Rate per 100,000 | Number of People Living with HIV/AIDS |
| Metrowest Health Service Region, MA | 148 per 100,000 | 2,184 |
| Massachusetts Total | 267 per 100,000 | 16,977 |

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Metrowest Health Service Region, Massachusetts

| Year | HIV/AIDS Prevalence | Deaths among those with HIV/AIDS | Diagnosis of HIV Infection |
|-------------|----------------------------|---|-----------------------------------|
| 1999 | 1,502 | 50 | 163 |
| 2000 | 1,617 | 44 | 159 |
| 2001 | 1,683 | 54 | 120 |
| 2002 | 1,797 | 36 | 150 |
| 2003 | 1,878 | 47 | 128 |
| 2004 | 1,963 | 37 | 122 |
| 2005 | 2,069 | 29 | 135 |
| 2006 | 2,122 | 38 | 91 |

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Metrowest Health Service Region, Massachusetts

| HIV Infection Diagnoses | | | PLWH/A | |
|--|--------------|-------------|----------------------|-------------|
| Gender: | N | % | N | % |
| Male | 255 | 73% | 1563 | 72% |
| Female | 93 | 27% | 621 | 28% |
| Place of Birth: | N | % | N | % |
| US | 206 | 59% | 1418 | 65% |
| Puerto Rico/US Dependency ² | 8 | 2% | 70 | 3% |
| Non-US | 134 | 39% | 696 | 32% |
| Race/Ethnicity: | N | % | N | % |
| White (non-Hispanic) | 176 | 51% | 1159 | 53% |
| Black (non-Hispanic) | 106 | 30% | 715 | 33% |
| Hispanic | 49 | 14% | 254 | 12% |
| Other/Undetermined ³ | 17 | 5% | 56 | 3% |
| Exposure Mode: | N | % | N | % |
| Male-to-male sex (MSM) | 132 | 38% | 831 | 38% |
| Injection Drug Use (IDU) | 33 | 9% | 326 | 15% |
| MSM/IDU | 13 | 4% | 70 | 3% |
| Heterosexual Sex | 34 | 10% | 257 | 12% |
| Other | 0 | 0% | 63 | 3% |
| Total Undetermined | 136 | 39% | 637 | 29% |
| • Presumed Heterosexual Sex ⁴ | 84 | 24% | 444 | 20% |
| • Undetermined ⁵ | 52 | 15% | 193 | 9% |
| Age: | N | % | N | % |
| | At Diagnosis | | On December 31, 2007 | |
| Under 13 | 0 | 0% | 9 | <1% |
| 13 to 19 | 4 | 1% | 22 | 1% |
| 20 to 24 | 29 | 8% | 25 | 1% |
| 25 to 29 | 39 | 11% | 78 | 4% |
| 30 to 34 | 50 | 14% | 143 | 7% |
| 35 to 39 | 62 | 18% | 282 | 13% |
| 40 to 44 | 54 | 16% | 485 | 22% |
| 45 to 49 | 53 | 15% | 447 | 20% |
| 50 to 54 | 30 | 9% | 328 | 15% |
| 55 to 59 | 9 | 3% | 182 | 8% |
| 60+ | 18 | 5% | 183 | 8% |
| Total | 348 | 100% | 2,184 | 100% |

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Metrowest Health Service Region, Massachusetts

| Race/Ethnicity: | Male | | Female | |
|---------------------------------|--------------|-------------|------------|-------------|
| | N | % | N | % |
| White Non-Hispanic | 958 | 61% | 201 | 32% |
| Black Non-Hispanic | 366 | 23% | 349 | 56% |
| Hispanic | 190 | 12% | 64 | 10% |
| Other/Undetermined ¹ | 49 | 3% | 7 | 1% |
| Total | 1,563 | 100% | 621 | 100% |

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Metrowest Health Service Region, Massachusetts

| Exposure Mode: | Male | | Female | |
|--|--------------|-------------|------------|-------------|
| | N | % | N | % |
| Male-to-male sex (MSM) | 831 | 53% | N/A | N/A |
| Injection drug use (IDU) | 194 | 12% | 132 | 21% |
| MSM/IDU | 70 | 4% | N/A | N/A |
| Heterosexual sex | 83 | 5% | 174 | 28% |
| Other | 38 | 2% | 25 | 4% |
| Total Undetermined | 347 | 22% | 290 | 47% |
| • Presumed heterosexual sex ¹ | 209 | 13% | 235 | 38% |
| • Undetermined ² | 138 | 9% | 55 | 9% |
| Total | 1,563 | 100% | 621 | 100% |

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Metrowest Health Service Region, Massachusetts, before 1999, 1999–2006¹

| | Male | | Female | | Total |
|-------------------|-------|-----|--------|-----|--------------|
| | N | % | N | % | |
| < 1999 | 2,135 | 81% | 515 | 19% | 2,650 |
| 1999 | 113 | 69% | 50 | 31% | 163 |
| 2000 | 107 | 67% | 52 | 33% | 159 |
| 2001 | 86 | 72% | 34 | 28% | 120 |
| 2002 | 91 | 61% | 59 | 39% | 150 |
| 2003 | 86 | 67% | 42 | 33% | 128 |
| 2004 | 88 | 72% | 34 | 28% | 122 |
| 2005 | 104 | 77% | 31 | 23% | 135 |
| 2006 ² | 63 | 69% | 28 | 31% | 91 |

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Metrowest Health Service Region, Massachusetts, before 1999, 1999–2006¹

| | White NH | | Black NH | | Hispanic | | Other/ Undetermined ² | | Total |
|-------------------|----------|-----|----------|-----|----------|-----|-------------------------------------|----|--------------|
| | N | % | N | % | N | % | N | % | |
| < 1999 | 1,852 | 70% | 545 | 21% | 217 | 8% | 36 | 1% | 2,650 |
| 1999 | 78 | 48% | 64 | 39% | 21 | 13% | 0 | 0% | 163 |
| 2000 | 78 | 49% | 66 | 42% | 14 | 9% | 1 | 1% | 159 |
| 2001 | 52 | 43% | 42 | 35% | 20 | 17% | 6 | 5% | 120 |
| 2002 | 60 | 40% | 65 | 43% | 18 | 12% | 7 | 5% | 150 |
| 2003 | 53 | 41% | 53 | 41% | 19 | 15% | 3 | 2% | 128 |
| 2004 | 61 | 50% | 39 | 32% | 15 | 12% | 7 | 6% | 122 |
| 2005 | 70 | 52% | 45 | 33% | 14 | 10% | 6 | 4% | 135 |
| 2006 ³ | 45 | 49% | 22 | 24% | 20 | 22% | 4 | 4% | 91 |

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Metrowest Health Service Region, Massachusetts, before 1999, 1999–2006¹

| | US | | Puerto Rico/ US Dependency ² | | Non-US | | Total |
|-------------------|-------|-----|--|----|--------|-----|--------------|
| | N | % | N | % | N | % | |
| < 1999 | 2,099 | 79% | 87 | 3% | 464 | 18% | 2,650 |
| 1999 | 101 | 62% | 8 | 5% | 54 | 33% | 163 |
| 2000 | 102 | 64% | 6 | 4% | 51 | 32% | 159 |
| 2001 | 64 | 53% | 5 | 4% | 51 | 43% | 120 |
| 2002 | 74 | 49% | 2 | 1% | 74 | 49% | 150 |
| 2003 | 67 | 52% | 2 | 2% | 59 | 46% | 128 |
| 2004 | 69 | 57% | 4 | 3% | 49 | 40% | 122 |
| 2005 | 79 | 59% | 1 | 1% | 55 | 41% | 135 |
| 2006 ³ | 58 | 64% | 3 | 3% | 30 | 33% | 91 |

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Metrowest Health Service Region, Massachusetts, before 1999, 1999–2006¹

| | MSM | | IDU | | MSM/ IDU | | HTSX | | Other | | Pres. HTSX ² | | Undeter- mined ³ | | Total |
|-------------------|-------|-----|-----|-----|-------------|----|------|-----|-------|----|----------------------------|-----|--------------------------------|-----|--------------|
| | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N |
| <1999 | 1,294 | 49% | 539 | 20% | 100 | 4% | 226 | 9% | 130 | 5% | 247 | 9% | 114 | 4% | 2,650 |
| 1999 | 57 | 35% | 32 | 20% | 5 | 3% | 15 | 9% | 3 | 2% | 39 | 24% | 12 | 7% | 163 |
| 2000 | 52 | 33% | 20 | 13% | 5 | 3% | 28 | 18% | 3 | 2% | 39 | 25% | 12 | 8% | 159 |
| 2001 | 36 | 30% | 13 | 11% | 6 | 5% | 20 | 17% | 4 | 3% | 27 | 23% | 14 | 12% | 120 |
| 2002 | 41 | 27% | 14 | 9% | 0 | 0% | 24 | 16% | 3 | 2% | 49 | 33% | 19 | 13% | 150 |
| 2003 | 39 | 30% | 8 | 6% | 0 | 0% | 12 | 9% | 5 | 4% | 39 | 30% | 25 | 20% | 128 |
| 2004 | 40 | 33% | 8 | 7% | 4 | 3% | 15 | 12% | 0 | 0% | 35 | 29% | 20 | 16% | 122 |
| 2005 | 55 | 41% | 11 | 8% | 6 | 4% | 11 | 8% | 0 | 0% | 35 | 26% | 17 | 13% | 135 |
| 2006 ⁴ | 37 | 41% | 14 | 15% | 3 | 3% | 8 | 9% | 0 | 0% | 14 | 15% | 15 | 16% | 91 |

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Metrowest Health Service Region, Massachusetts, 1999–2006¹

| | HIV and AIDS diagnosed within 2 months | All HIV infection diagnoses | % diagnosed with HIV and AIDS within 2 months |
|-------|--|-----------------------------------|--|
| Year: | N | N | % |
| 1999 | 46 | 163 | 28% |
| 2000 | 53 | 159 | 33% |
| 2001 | 47 | 120 | 39% |
| 2002 | 48 | 150 | 32% |
| 2003 | 43 | 128 | 34% |
| 2004 | 38 | 122 | 31% |
| 2005 | 46 | 135 | 34% |
| 2006 | 33 | 91 | 36% |

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Metrowest Health Service Region, Massachusetts, 2004–2006¹

| | HIV and AIDS diagnosed within 2 months | All HIV infection diagnoses | % diagnosed with HIV and AIDS within 2 months |
|--|--|--------------------------------|--|
| Gender: | N | N | % |
| Male | 94 | 255 | 37% |
| Female | 23 | 93 | 25% |
| Race/Ethnicity: | N | N | % |
| White (non-Hispanic) | 56 | 176 | 32% |
| Black (non-Hispanic) | 42 | 106 | 40% |
| Hispanic | 13 | 49 | 27% |
| Other/Undetermined ² | 6 | 17 | 35% |
| Place of Birth: | N | N | % |
| US | 59 | 206 | 29% |
| Puerto Rico/US Dependencies ³ | 1 | 8 | 13% |
| Non-US | 57 | 134 | 43% |
| Total | 117 | 348 | 34% |

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08